Web module
conexio 600

Installation and operating instructions

English version of original German installation and operating instructions

Version: 1.0

October 2012

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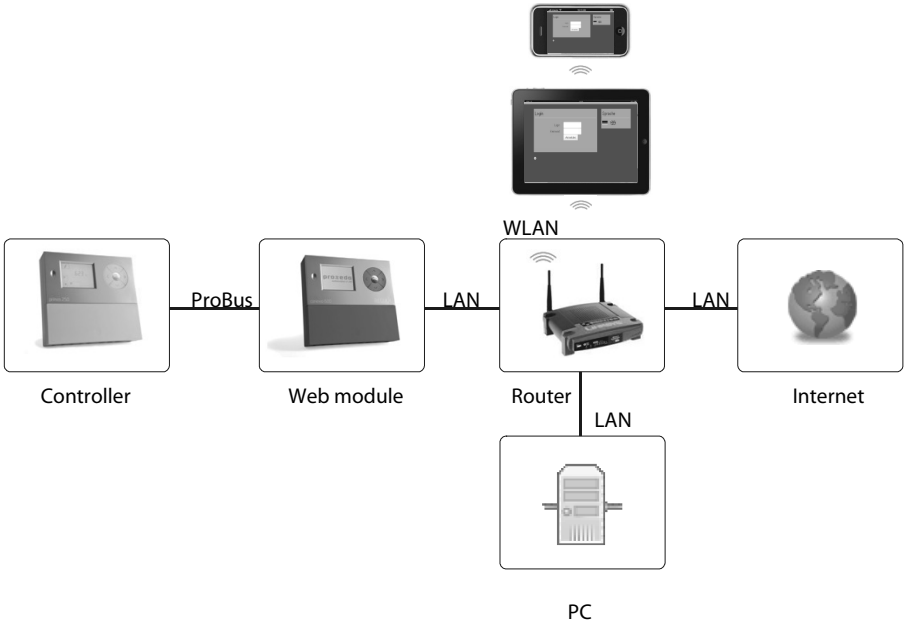
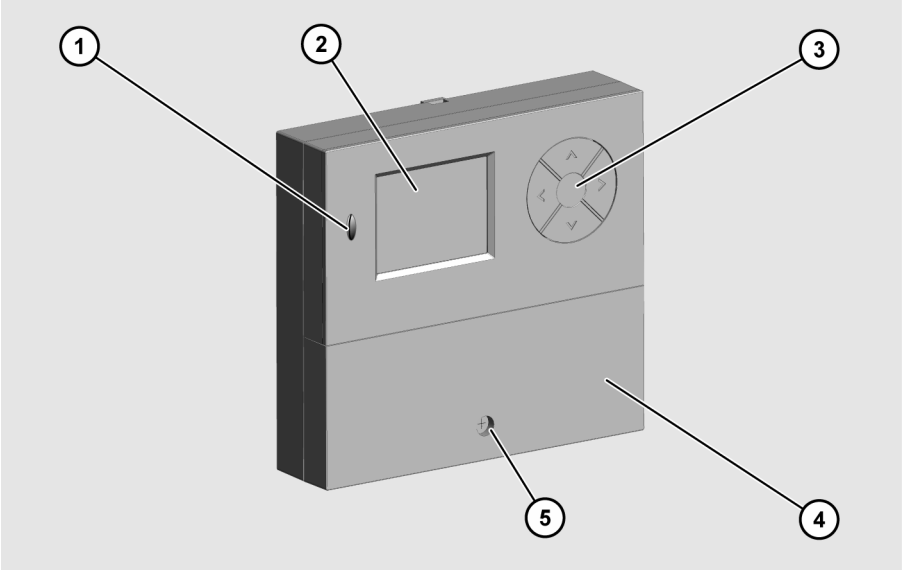
1 Description

The web module is used to monitor and manage networked control devices. It is operated using any Internet browser (regardless of operating system) on a PC, tablet or smart phone connected to a LAN/WLAN network.



1.1 Overview

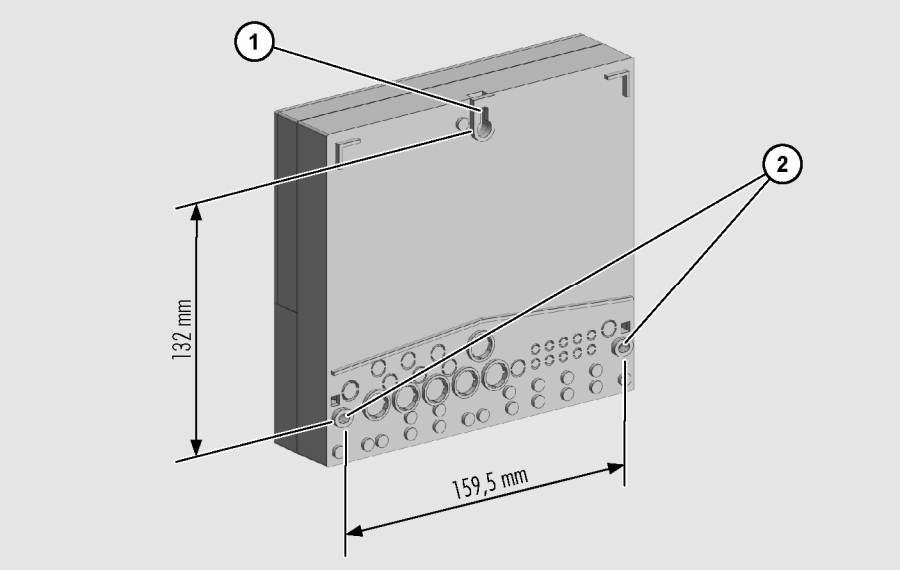


① microSD card interface
② Display
③ Operating buttons
④ Terminal cover
⑤ Locking screw

For data exchange purposes the controller is equipped with a microSD card interface (1).

2 Fastening the web module

- Use only suitable screws and dowels for fastening the controller.
- Hang the controller on the top screw by the keyhole (1).
- Fasten the controller with the screws from the inside through the bottom screw holes (2).



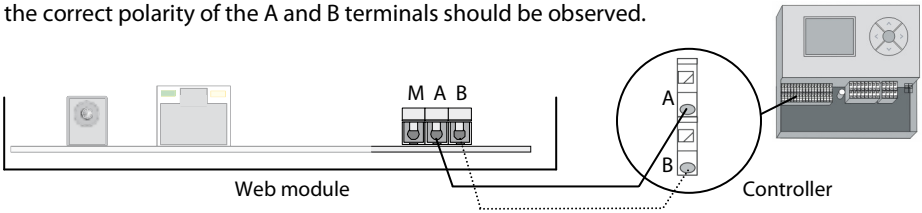
3 Connecting the device

LAN

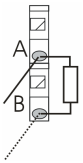
The web module is connected to the local network via an Ethernet connection using a switch or router.

ProBus

The web module is connected to system controllers via a ProBus connection. As a result, the correct polarity of the A and B terminals should be observed.



If you intend to use cables longer than 30m, make sure to use a terminating resistor on the terminals of the controller (see the picture).



Electricity supply

Connect the supplied power supply unit to the corresponding socket labelled “Power”. The web module will boot up and will be ready to use when the brand logo appears on the screen.

4 Operating the web module

Please note: Your web module needs time to boot. After switching it on always wait until the initial welcome screen appears on the Display.

The main menu is located in the top part of the display. It is comprised of the following menus:

Main menu	
Symbol	**Description**
	"Info" menu The info menu shows the current status of the web module components ProBus, LAN and system. 'OK' means that the component is OK; 'Error' means than an error has occurred.
	"Setup" menu - Reset admin password - Setup Network: DHCP on or off, change the IP address - Perform update - Perform downgrade

4.1 Using the operating buttons

Navigating in the menus

- To switch to the main menu, select <.
- Use < or > to select the required menu.
- To display the various different menu items, select ∨ or ∧.
- To exit the menu, select <.

Executing function

- To activate the displayed menu item, select >.
- To confirm the entry, select >.
- To cancel the entry, select <.
- To re-confirm the entry, select >.

5 Initial setup

After the initial setup, you should immediately check for updates and update the web module firmware. To do this, login as admin, click on the menu item "Update" and follow the instructions on the screen.

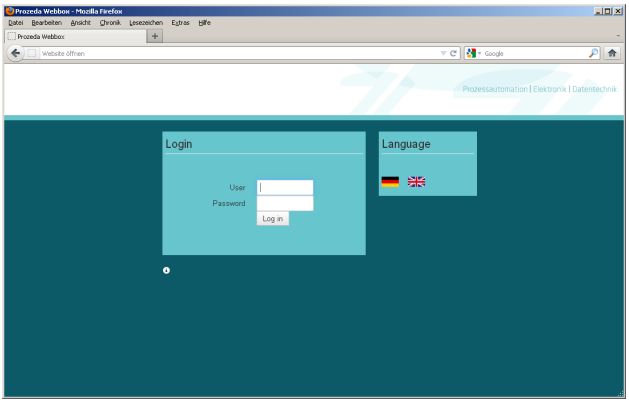
Automatic configuration - dynamic IP address

Once connected to the router, the web module will retrieve a dynamic IP address.
To be able to connect to the web module with your internet browser you need to identify this IP address in your network.
You can find the retrieved IP address under the "Setup Network" menu item in the "Setup" menu of your web module.

Another convenient method is to connect to your router if you have web access to it. The router displays Static and Dynamic client lists with IP address and hostname of the connected devices. For further assistance and configuration tools please visit **www.helpingpoint.de/webmodule**

Once you found the IP address of your web module, simply type it in the URL address bar of your browser and press [Enter]. For example:

If the connection has been made, the following log-in page will appear:



Log in as user

For the normal usage of the web module - monitor and manage your solar plant – please log in as user using the following username and password:

- Login: ***user1***
- Password: ***1$Resu***

Log in as admin

To be able to manage your device – update the firmware, configure a static IP adress, manage the user accounts etc., you should log in as Admin using the following username and password

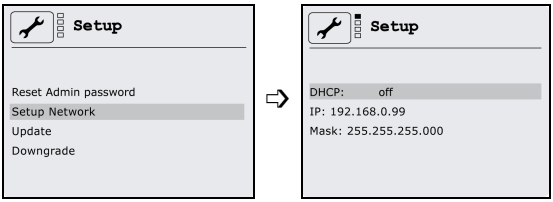
- Login: ***Admin***
- Password: ***nimda***

After your configuration is completed you should change the administrator password in order to prevent unauthorised access to the web module.

Manual configuration – static IP address

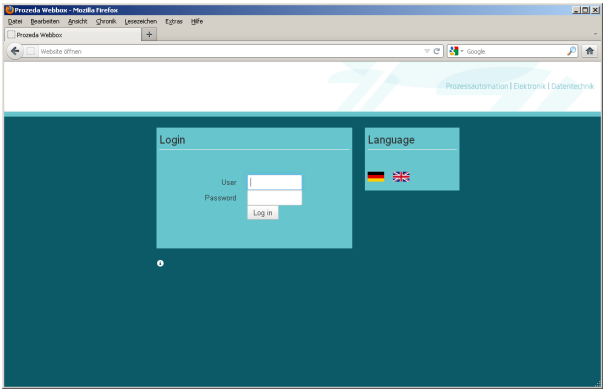
If you want to use a static (permanent) IP address or it was not possible to successfully complete an automatic configuration, you can perform the following manual configuration.

- On your Web Module select the "Setup Network" menu item in the "Setup" menu and change the IP address and mask as desired. In the example below, to IP address 192.168.0.99, and mask: 255.255.255.000.



- Enter ***192.168.0.99*** into your browser's URL/address bar

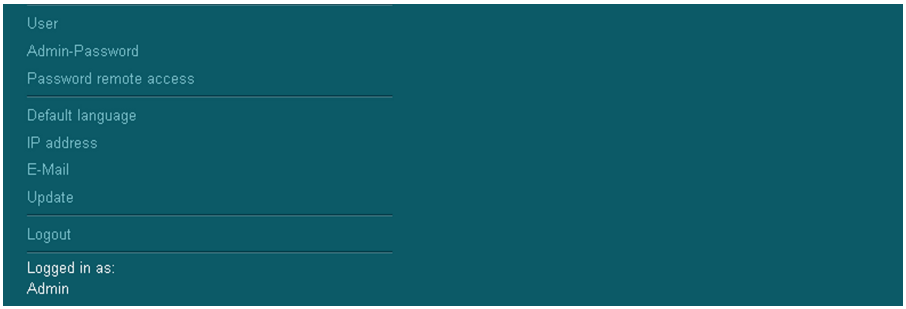
If the connection has been made, the following log-in page will appear:



Enter the following details:

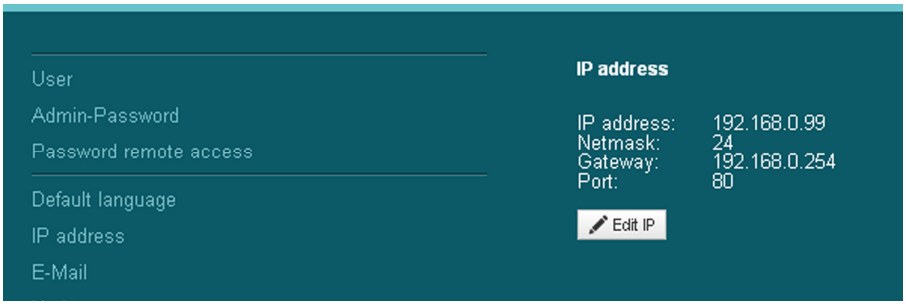
- Username: ***Admin***
- Password: ***nimda***
- Click in the “Log in” button

The administrator menu will appear.

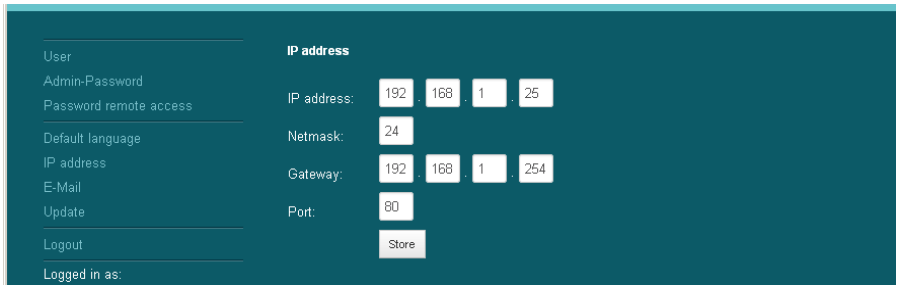


Change and save the IP address:

- Click on “IP address” in the menu
- Click on “Edit IP” in the menu



- Enter the desired IP address and net mask



- If you want to create Internet connections with the web module, e.g. in order to perform online updates, enter the gateway address for your network
- Enter the desired port for the web module web server. The default setting is Port 80
- Click in the “Store” button

Every change of the hydraulic diagram will trigger a new initialisation of the web module. Depending on the actual configuration this process might take up to several minutes to complete.

6 Internet access configuration

A location-independent connection to the web module can be created from any local or mobile Internet connection.

Requirements:

- The router must either have a permanent IP address or be available using a service such as no-ip.com or two-dns.de/de/.

- The router must be set up in such a way that it forwards external requests to the port (factory setting 80) and IP address set up for the web module (port forwarding).

7 Restore settings

In order to restore the IP address to the factory settings, select the value "DHCP" in the "Setup Network" menu item in the "Setup" menu to “on”.

The factory settings will be restored and you can perform the initial network configuration again.

8 microSD card slot

Updates can be installed for the web module by inserting a microSD card. To do this, the necessary data must be available on the microSD card.

Performing the relevant updates takes place using the web interface or the buttons on the device.

9 Status reports and malfunctions

Displaying status reports

➢ In order to display the status reports, go to the “Info” menu.

Error message	Possible cause	Action
‘ProBus error’	The cable is broken or not connected correctly.	Verify that the cable is correctly connected to the ProBus. If necessary, replace the cable.
	Cable is connected the wrong way round.	Verify the correct polarity of the A and B terminals.
‘LAN error’	No connection to the switch/router/PC	Verify the connection to the switch/router/PC If necessary, replace the cable.
‘System error’		Contact support

10 Technical data

Housing material	100 % recyclable ABS housing
Dimensions L x W x D in mm	176 × 162 × 44
Protection class	IP21 according to 40050, EN 60529
Operating voltage	Wall power supply unit: AC 90 ... 260 V~ / 50-60 Hz Input voltage: 5 V / 1.2 A
Power consumption	< 2 W
Interfaces	RS 485 for ProBus, USB for WLAN and UMTS
Display	Back-lit LCD display
Humidity	max. 60 %
Ambient temperature	0 to +40 °C
Storage temperature	–10 to +60 °C

11 Accessories

The following accessories are available for this device:

- microSD Card

ⓘ Use only microSD cards from the manufacturer. The manufacturer cannot provide a guarantee that any other microSD cards will work.

12 Declaration of conformity

This control unit has been manufactured and inspected according to CE regulations and thus bears the CE mark.